(19) World Intellectual Property Organization

International Bureau



T CONTRACTORY TO CONTRACTORY CONTRACTORY CONTRACTORY CONTRACTORY CONTRACTORY CONTRACTORY CONTRACTORY CONTRACTORY

(43) International Publication Date 16 December 2004 (16.12.2004)

PCT

(10) International Publication Number WO 2004/109701 A1

(51) International Patent Classification7:

G11B 31/02

(21) International Application Number:

PCT/KR2004/001377

(22) International Filing Date: 10

10 June 2004 (10.06.2004)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2003-0037187

10 June 2003 (10.06.2003) KR

- (71) Applicant (for all designated States except US): ENTER TECH CO. LTD. [KR/KR]; 401-5 Bunji, Hwagok-dong, Gangseo-gu, Seoul, 157-887 (KR).
- (71) Applicant and
- (72) Inventor: LEE, Kyung Ho [KR/KR]; #302-1305, Mok Dong Sinsigaji Apt., 903, Mok-dong, Yangcheon-gu, Seoul, 158-050 (KR).
- (74) Agent: CHANG, Hoon; 5F., Namchang Bldg., 748-16 Yeoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

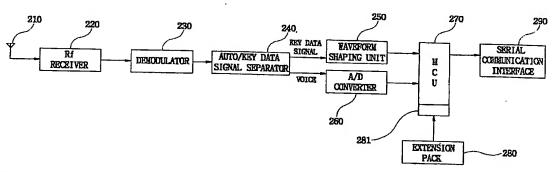
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RF SIGNAL OF KARAOKE DATA RECEIVING PACK AND KARAOKE SYSTEM USING THEREOF



(57) Abstract: Disclosed are an RF signal of karaoke data receiving pack and karaoke system using thereof. The RF Karaoke data receiving pack includes an RF receiver for receiving a voice signal and key data signal radio-transmitted from a wireless microphone device via a receiving antenna; an audio/key data signal separator for separating the voice signal and key data signal from the signal demodulated by the demodulator; a receiver MCU controlling the internal operation of the RF karaoke data signal receiving pack while transmitting the digital voice signal and key data signal to the external computing device; and an extension pack in which additional songs are recorded, the extension pack being connected to an extension pack slot to transmit data of the additional songs under the control of the receiver MCU.



2004/109701 A1